**JavaScript Object**

**Object Method:** when a function is used in JS Object, it’s called method. An object is a collection of key/values pairs or properties. When the value is a function, the property becomes a method. Typically, we use method to describe object behaviors.

Note that when a [function](https://www.javascripttutorial.net/javascript-function/) is a value of an object’s property, it’s called a method. Therefore, a method is a property with value as a function.

**Constructor Function**: A constructor is a special method of a class or structure in object-oriented programming that initializes a newly created object of that type. Whenever an object is created, the constructor is called automatically. A constructor is **a special function that creates and initializes an object instance of a class**. In JavaScript, a constructor gets called when an object is created using the new keyword. The purpose of a constructor is to create a new object and set values for any existing object properties.

**Prototype:** In JavaScript, objects can inherit features from one another via **prototypes**. Every object has its own property called prototype. Because a prototype itself is also another object, the prototype has its own prototype. This creates a something called **prototype chain**. The prototype chain ends when a prototype has [null](https://www.javascripttutorial.net/object/javascript-null/) for its own prototype.

**Summary**

* The Object () function has a property called prototype that references a Object.prototype object.
* The Object.prototype object has all properties and methods which are available in all objects such as to String () and value Of ().
* The Object.prototype object has the constructor property that references the Object function.
* Every function has a prototype object. This prototype object references the Object.prototype object via [[prototype]] linkage or \_\_proto\_\_ property.
* The prototype chain allows one object to use the methods and properties of its prototype objects via the [[prototype]] linkages.
* The Object.getPrototypeOf() method returns the prototype object of a given object. Do use the Object.getPrototypeOf() method instead of \_\_proto\_\_.